

## Product Overview

### MC14512B: 8-Channel Data Selector

For complete documentation, see the data sheet.

The MC14512B is an 8-channel data selector constructed with MOS P-channel and N-channel enhancement mode devices in a single monolithic structure. This data selector finds primary application in signal multiplexing functions. It may also be used for data routing, digital signal switching, signal gating, and number sequence generation.

### Features

- Diode Protection on All Inputs
- Single Supply Operation
- 3-State Output (Logic "1", Logic "0", High Impedance)
- Supply Voltage Range = 3.0 Vdc to 18 Vdc
- Capable of Driving Two Low-power TTL Loads or One Low-power Schottky TTL Load Over the Rated Temperature Range
- Pb-Free Packages are Available

### Part Electrical Specifications

Product	Compliance	Status	Channels	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	t <sub>pd</sub> Max (ns)	I <sub>O</sub> Max (mA)	Package Type
MC14512BDG	Pb-free	Active	1	3	18	250	2.25	SOIC-16
	Halide free							
MC14512BDR2G	Pb-free	Active	1	3	18	250	2.25	SOIC-16
	Halide free							
NLV14512BDG	AEC Qualified	Active	1	3	18	250	null	SOIC-16
	PPAP Capable							
	Pb-free							
	Halide free							
NLV14512BDR2G	AEC Qualified	Active	1	3	18	250	null	SOIC-16
	PPAP Capable							
	Pb-free							
	Halide free							

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